



High-definition Full View Double Ethernet Speed Faster Local Video  
Piano Black Color Narrow Bezel Design High-end appearance



# D Series IoT Cloud HMI

3 in 1 = HMI + IoT Gateway+ DTU  
Man-machine Interactive Enabling IoT

## Model List

Model	TFT Screen	Storage	LAN+COM	USB	Local Video	Voice	WiFi	Wireless	Hole Size	Dimension W*H*D
D4	4.3" 800*480HD	4G + 512M	1+2	1		Yes			132x80mm	137x85x30mm
D4-G		4G + 512M	1+2	1		Yes		China 4G		
D4-W		4G + 512M	1+2	1		Yes	Yes			
D4-E		4G + 512M	1+2	1		Yes		Global 4G		
D7	7" 1024*600HD	4G + 1G	2+3	2	Yes	Yes			187x114mm	194x121x32mm
D7-G		4G + 1G	2+3	2	Yes	Yes		China 4G		
D7-W		4G + 1G	2+3	2	Yes	Yes	Yes			
D7-E		4G + 1G	2+3	2	Yes	Yes		Global 4G		
D10	10.1" 1280*800HD	4G + 1G	2+3	2	Yes	Yes			254x161mm	261x168x33mm
D10-G		4G + 1G	2+3	2	Yes	Yes		China 4G		
D10-W		4G + 1G	2+3	2	Yes	Yes	Yes			
D10-E		4G + 1G	2+3	2	Yes	Yes		Global 4G		

## Features

- HD screen. Built-in quad-core high-performance processor, smoother operation, faster speed, stronger stability.
- The real color and exquisite with IPS hard screen technology. Integrated design, full-view visual experience, immersive enjoyment.
- Provide exclusive maintain identity for equipment manufacturers, as well as exclusive enterprise platforms. More convenient for equipment vendors.
- Supports remote programming, download, diagnostics, monitoring and debugging of PLC programs
- Supported voice function, access microphone and loudspeaker via USB, Supported text-to-speech, voice broadcasting, intercom function, innovative device cloud voice



### Supports local video monitoring

HMI can connect the camera that supports RTSP protocol transmission or cloud video channel through Ethernet to display the camera video smoothly on the screen. It can also carry out local or remote monitoring through Haiwell cloud APP or wechat small program.



### Support for video playing

HMI built-in quad-core high-performance processor, can play video files in the USB flash drive. Supported MP4 video format, equipped with IPS hard screen technology, so that the video picture is more delicate and much smoother, color is more real.



### Multiple security protection mechanisms

Higher safety level with A/B Key+local confirmation safety mechanism, ensure the safe and stable operation of equipments.



### Third party IoT Platform

Support access to third-party IoT platforms such as Alibaba Cloud, Amazon, Google, etc.



### Support data interconnection and distribution

By the Haiwell data interconnection tool, real-time data/historical data can be stored in databases such as MySQL/SQL Server, and data distribution is supported, help to generate various data reports.



### Support Cloud maintenance for equipment manufacturers

Provide exclusive maintain identity for equipment manufacturers, as well as exclusive enterprise platforms. More convenient for equipment vendors.



### Web API interface

Third-party software and platforms can easily and securely obtain device data and control devices through the built-in Web API function using HTTP protocol, support real-time data push, support PHP, Java, C#, C++ languages. Support Internet and LAN network.



### Support Haiwell Cloud Data Center

No need to build an MQTT server to realize data collection and reporting, and connect to ERP/MES and other systems. Through Haiwell Cloud Data Center function, you can also flexible call of equipment variable data from various places, easy to realize remote centralized control of equipments.

## Specification

Specification		4.3"	7"	10.1"
<b>Software</b>	Programming software	Haiwell Cloud SCADA		
<b>Display</b>	Display screen	4"TFT	7"TFT	10.1"TFT
	Resolution	800x480pixels	1024x600pixels	1280x800pixels
	Color	16.7M		
	Brightness(cd/m <sup>2</sup> )	450Cd/m <sup>2</sup>	350Cd/m <sup>2</sup>	
	Touch Type	Resistance touch screen		
<b>Storage</b>	Flash	4GB		
	RAM	512M	1GB	
<b>Backlight</b>	Backlight Type	LED		
	Backlight Life Time	> 30000H	> 30000H	> 30000H
	Automatic Dormancy	Support and Configurable		
<b>I/O port</b>	4G	Optional		
	WIFI	Optional		
	Ethernet Port	10/100 Base-T	10/100 Base-T 1000 Base-T	
	COM port	COM1: RS232 COM2: RS485		
	USB HOST	USB2.0 x 1	USB2.0 x 2	
	Print Port	COM Port/USB Print		
<b>Power</b>	Input power	24±20%VDC		
	Power Consumption	< 6W	< 8W	< 10W
	Power Protection	Surge protection		
	Voltage Resistance	500VAC		
	Isolation Resistance	Exceed 50MΩ @500VDC		
	Vibration Endurance	10~57HZ amplitude 0.075mm, acceleration 1G, X, Y, Z 10 times in triaxial direction		
<b>Environment</b>	Cooling Type	Natural air Cooling		
	Protection Structure	IP65		
	Storage Temperature	-20 ~70°C		
	Operating Temperature	-10°C ~ 60°C		
	Relative Humidity	10 ~ 90%RH (non-condensing)		
<b>Structure</b>	Shell material	ABS + PC		
	Shape size (WxHxD)	137x85x30mm	194x120x32mm	261x168x33mm
	Cutout size(WxH)	132x80mm	187x114mm	254x161mm
	Net weight	0.3kg	0.8kg	1.3kg



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Haiwell APP



Haiwell Wechat

The parameters of product are subject to changes without prior notice. (Ver 1 - 202209)